(No Model.)

J. P. CUTLER.

DUST CAP FOR VEHICLE AXLES.

No. 456,556. Patented July 28, 1891.

Fig. 1.

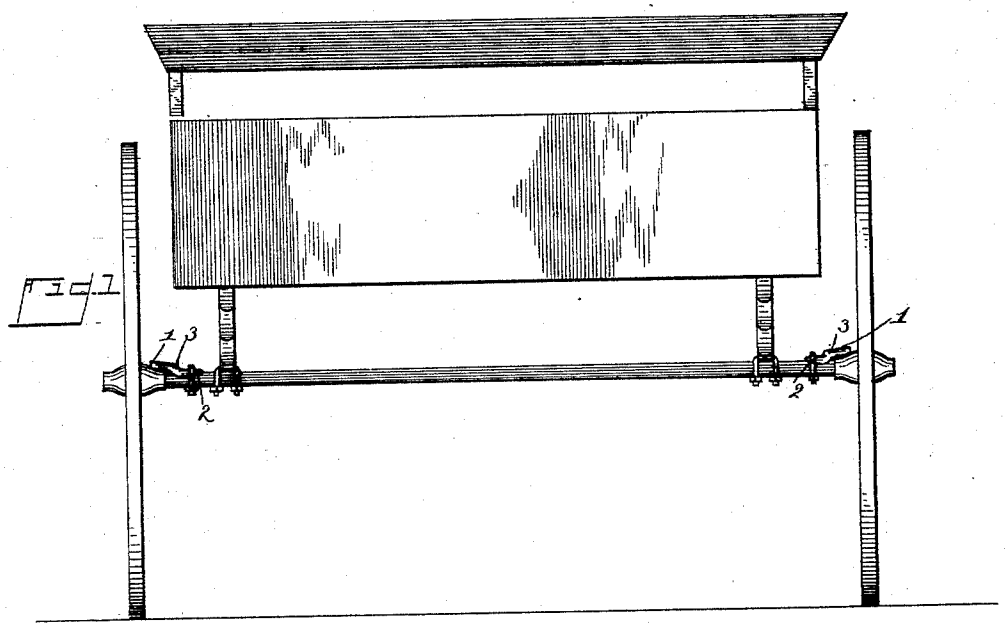


Fig. 2.

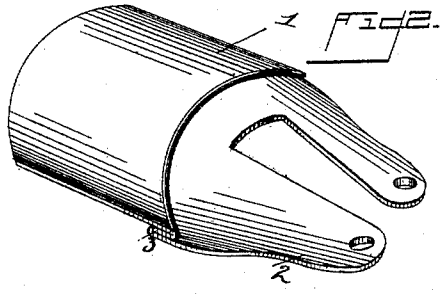
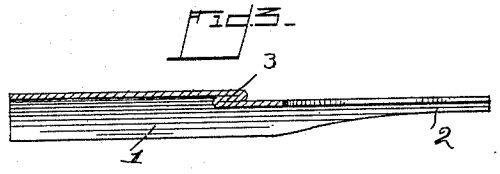


Fig. 3.



Witnesses
Chas. A. Ford.
N. F. Riley

Inventor
Joseph P. Cutler

By his Attorneys,
C. A. Snow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH P. CUTLER, OF ROCK SPRINGS, MARYLAND.

DUST-CAP FOR VEHICLE-AXLES.

SPECIFICATION forming part of Letters Patent No. 456,556, dated July 28, 1891.

Application filed April 24, 1891. Serial No. 390,334. (No model.)

To all whom it may concern.

Be it known that I, JOSEPH P. CUTLER, a citizen of the United States, residing at Rock Springs, in the county of Cecil and State of Maryland, have invented a new and useful Dust-Cap, of which the following is a specification.

The invention relates to improvements in dust caps and bands.

The object of the present invention is to simplify and improve the construction of dust caps and bands to be readily attached to an axle to exclude dust and water from the axle-box and prevent wear of the spindle.

A further object of the invention is to provide a dust band or cap adapted to be readily lifted upward when it is desirable to grease the wheels.

The invention consists in the construction and novel arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a side view showing the dust-cap applied in operative position. Fig. 2 is a detail perspective view of the dust-cap. Fig. 3 is a sectional view.

Referring to the accompanying drawings, 1 designates a dust cap or band constructed of sheet metal and adapted to be secured to an axle and arranged adjacent to a wheel and extending over the hub to exclude dust, mud, and water from the axle-box and prevent wear of the spindle and axle-box.

The dust-cap is curved and presents a concave face to the hub and is provided at its inner side with inward extensions 2, adapted to be clipped or otherwise secured to the axle, and it is provided with a longitudinal fold 3, which strengthens the cap and prevents the concave portion or the cap proper being bent. The fold is formed before curving the sheet metal and is made by bending the metal upon itself and rebending, as clearly illustrated in Fig. 3 of the accompanying drawings. The rearward extensions are flexible and enable the cap to be turned up when it is desired to grease the axle.

It will be seen that the cap is simple and inexpensive in construction and is capable of shielding a hub and excluding dust, water, and mud from the axle-box and spindle, and is adapted to be turned up out of the way during greasing.

What I claim is—

A dust cap or band constructed of sheet metal and being longitudinally curved and provided with a longitudinal fold 3, formed by bending the metal inward upon itself and then bending outward and having a pair of inward flexible extensions 2, adapted to be secured to an axle to enable the dust band or cap to be readily turned up, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH P. CUTLER.

Witnesses:
F. N. JENKINS,
I. R. TAYLOR.